

### REMARKS

Claims 1-24 are presented for examination. Claims 7-24 are new.

New claims 7-12, 13-18, and 19-24 are in essence issued claims 1-6, respectively, with claims 7-12 rewritten to eliminate the recitation of "neural" in the preamble. Claims 13-18 are directed to an "analog circuit," and claims 19-24 are directed to a "system." In addition, in claims 7 and 13 the word "set" has been inserted on line three after "each" for clarification, and the recitation of a "neuron stage coupled to the synaptic weighting elements" has been eliminated as unnecessary and unduly limiting. Claims 9, 15, and 21 now utilize the transitional phrase "comprising" instead of "including" as recited in corresponding issued claim 3.

Applicants submit that all of the claims in this application are in condition for allowance. Consequently, early and favorable action allowing these claims and passing this case to issuance is respectfully solicited.

Respectfully submitted,

Vito Fabbizio et al.

Seed Intellectual Property Law Group PLLC



E. Russell Tarleton  
Registration No. 31,800

ERT:aep

701 Fifth Avenue, Suite 6300  
Seattle, Washington 98104-7092  
Phone: (206) 622-4900  
Fax: (206) 682-6031

C:\NrpPortbl\iManage\ATHENAP\402257\_1.DOC